Developing local policies to support sustainable energy implementation

Suggestions from Freiburg

Empowering local authorities to develop public assets for sustainable energy – Brussels 27th April

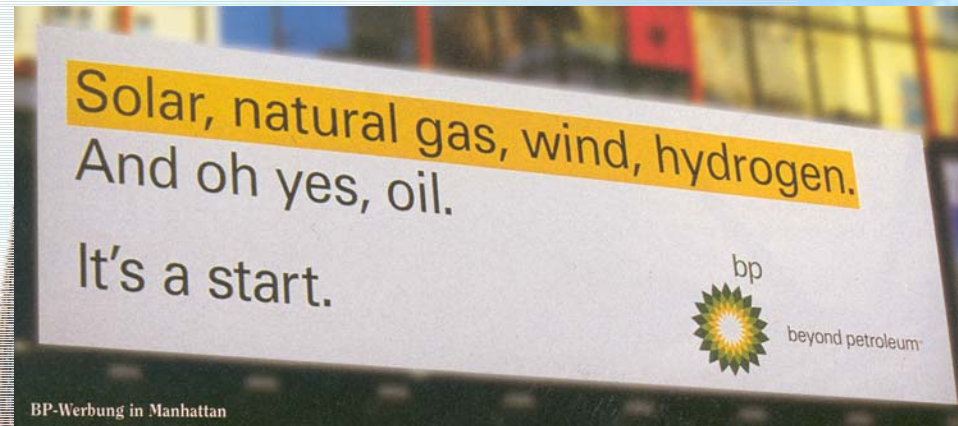Klaus Hoppe – Head of Energy Department, City of Freiburg

Overview

- Seven reasons for acting
- Freiburg´s historical background
- Seven suggestions
- Conclusion

Seven reasons for acting

1. Global Climate change
2. Local Air quality
3. Fading Resources
4. Rising Costs
5. Un-security of supply
6. Innovation – more efficiency
7. Responsibility for nature

Solar, natural gas, wind, hydrogen.
And oh yes, oil.

It's a start.

bp
beyond petroleum

BP-Werbung in Manhattan

Introduction – Why seven?

- Seven is a perfect number – Symbol for luck
- Deeper significance is to combine the divine (3) with earthly (4) things
- Seven steps to heaven

Historical background

1. Resistance against nuclear power plant
2. Searching for alternatives
3. Institutes: Fraunhofer ISE, Eco-Institut
4. Image as Solar and Environmental "Capital"
5. Winner of German Solar-Championship
6. Environmental consciousness in population
7. Lord Mayor from Green Party

= **Plenty of starting points to implement and develop sustainable development**
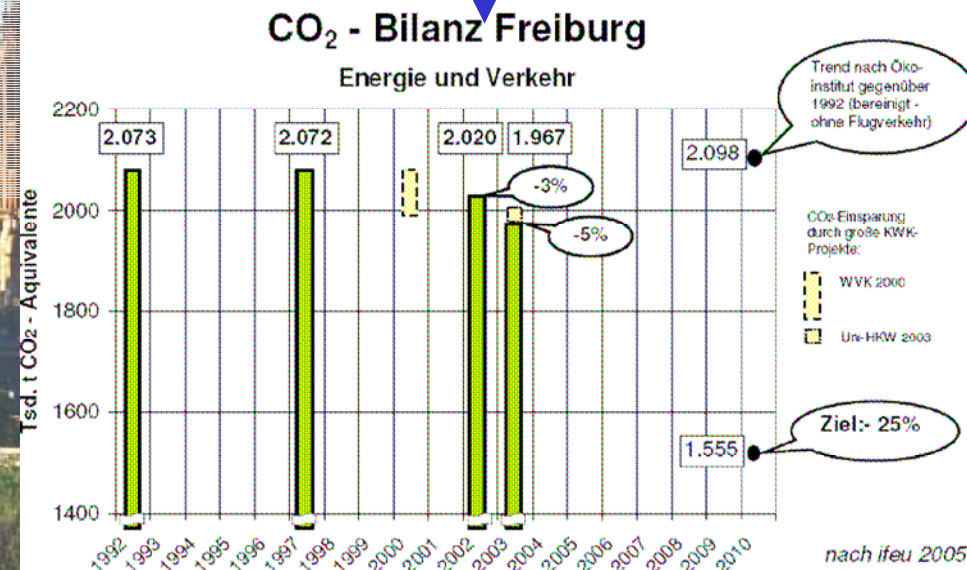
Seven suggestions

1. Climate targets

1. City council decisions on climate targets
2. If possible by consensus
3. Realistic targets
4. Achievable targets in defined period of time
5. Regular Monitoring
6. Reporting to city council
7. Communication

CO_2 - Bilanz Freiburg

Energie und Verkehr

2.073   2.072   2.020   1.967   2.098

Trend nach Öko-institut gegenüber 1992 (bereinigt - ohne Flugverkehr)

-3%
-5%

CO_2-Einsparung durch große KWK-Projekte:

WVK 2000
Uni-HKW 2003

Ziel:- 25%   1.555

Tsd. t CO_2 - Äquivalente

nach ifeu 2005

2. Implementation in administration

1. Create Local administration staff position or energy agency

2. Implementation in every day work within administration (e.g. early in city planning processes) and with external partners

3. Comprise city-owned companies: local energy supplier, building company

3. Assets and resources

1. Current situation: Where are you now?
2. Vision: Where do you want to go?
3. Analysis: SWOT
4. Identification of starting points
5. Focus: aim, key qualities, key actions
6. Regional co-operation
7. Learning from others

LETIT
giving a first overview for local assets, resources and mobilisation for e.g. renewable energies

4. Main fields of action

1. **Energy saving**
2. **Renewable energies**
3. **Energy efficiency**
4. **Energy efficiency**
5. **Energy efficiency**
6. **Energy efficiency**
7. **Energy efficiency**

5. Networking

- **Get stakeholders involved:**
  - Energy supplier
  - Industry
  - Banks
- **Regular Meetings**
- **Round table talks**
- ...

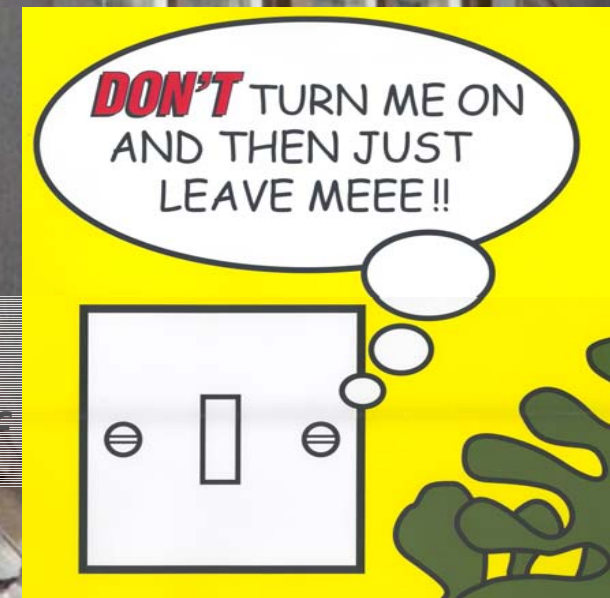Typisch Südbaden:
Null Kohle, aber Strom machen!

Jupp versteht die Welt nicht mehr: Jetzt machen die Kohle aus Strom in Südbaden.

Freiburg
IM BREISGAU

1. Supply of administration, schools with "green" electricity
2. Renovation of city owned buildings (insulation, heat)
3. Favourable property conditions for innovative businesses
4. Sale of city owned land annexed with certain conditions
5. Make available city owned rooftops for photovoltaic

6. Loan programmes - insulation
7. Energy saving in administration itself

DON'T TURN ME ON AND THEN JUST LEAVE MEEE!!

Renovation of city owned buildings

New heat supply

- Call for offers (different systems)
- Compare offers
- "Credit" to all systems having less CO2 emissons than the cheapest offer: 50€/t
- This imaginated "credit" is subtracted
- If so the more ecological system is at least economically equal or cheaper, it will be implemented

7. National conditions

Although there are a lot of fields of action for cities, supporting national conditions are crucial:

- National climate protection goals (related to european and international objectives)

- National acts: e.g. Renewable Resources Act (EEG)

- Energy research policy

- Subsidy programmes for energy efficiency (loans for ecological construction of buildings)

- CO_2-Emission trading

- Self-commitment for additional reduction of greenhouse gas emissions (?)

Conclusion

Freiburg
IM BREISGAU

1. Local Politics: decisions on climate protection targets
2. Implementation in administrational (planning) process
3. Identify assets, resources - define starting points
4. Main fields of action: Energy efficiency!
5. Networking: get important actors involved
6. "City" as example including municipal corporations
7. Positive national conditions are crucial

Good intentions are not enough – we need material bene-
fits, or at any rate, no economic disadvantages. Sustain-
ability is at best the coalition of ecology and economy.

What could we do
if everyone said
what will we do
and nobody stepped forward
to see
what might be done
if only we do.

Kurt Marti